

Test Date: 23 September 2004

File Name: [Tablet DSSS 2.45 GHz Ant Main Bluetooth On 23-09-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11abg and Bluetooth; Type: 2915ABG; Serial: 344EE5244ABC51962012

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 2.00597$; mho/m, $\epsilon_r = 51.1902$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 11 Bluetooth at 2402 MHz Test/Area Scan (101x81x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 12.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (interpolated) = 0.342 mW/g

Channel 11 Bluetooth at 2402 MHz Test/Zoom Scan (7x7x7)/Cube 0:

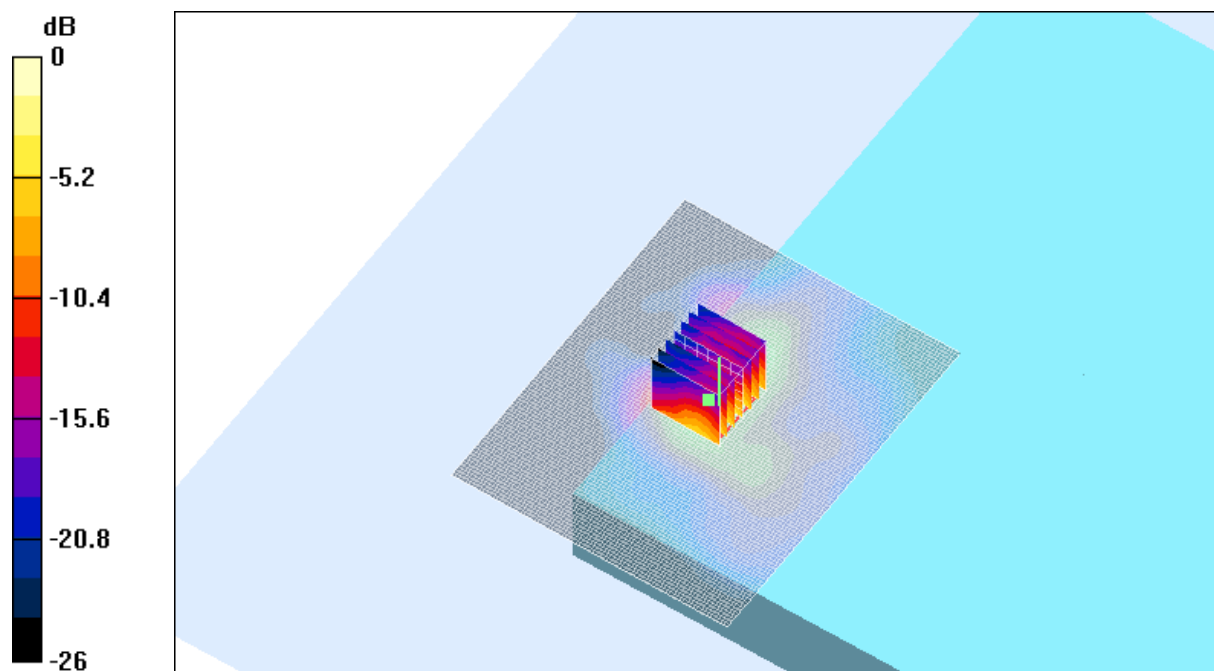
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.8 V/m; Power Drift = 0.1 dB

Maximum value of SAR (measured) = 0.356 mW/g

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.135 mW/g



0 dB = 0.356mW/g

SAR MEASUREMENT PLOT 9

Ambient Temperature

20.5 Degrees Celsius

Liquid Temperature

19.8 Degrees Celsius

Humidity

49.0 %

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- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 11 Bluetooth at 2441 MHz Test/Area Scan (101x81x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 13 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 0.378 mW/g

Channel 11 Bluetooth at 2441 MHz Test/Zoom Scan (7x7x7)/Cube 0:

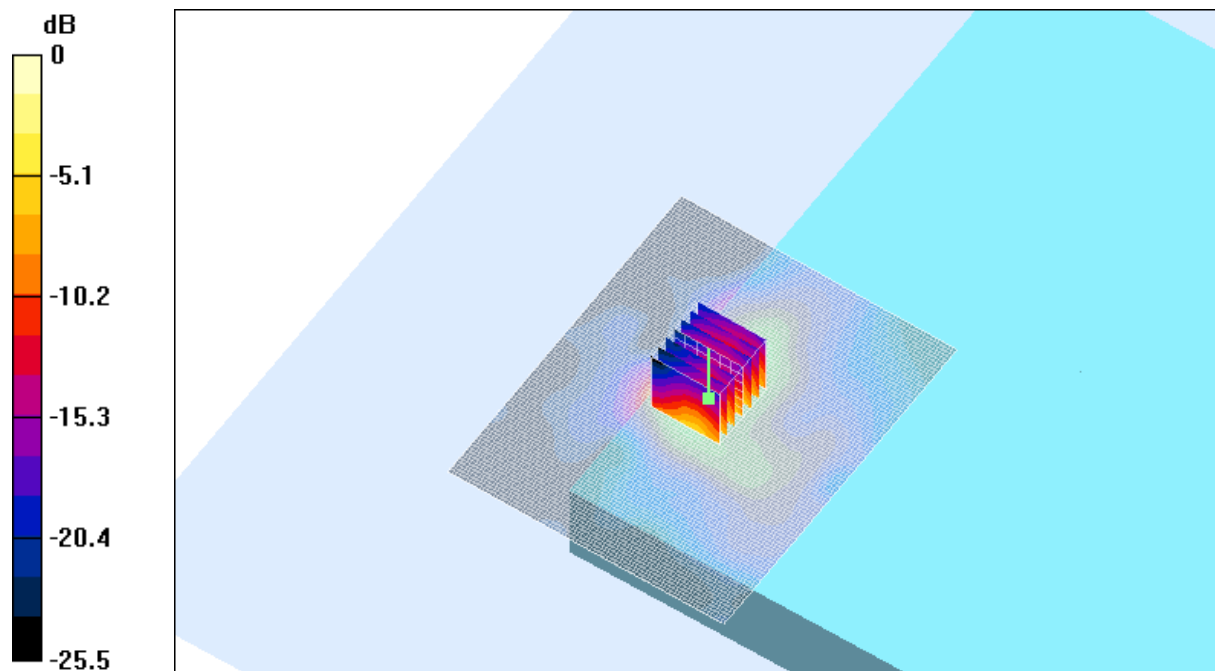
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 0.346 mW/g

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.137 mW/g



0 dB = 0.346mW/g

SAR MEASUREMENT PLOT 10

Ambient Temperature

Liquid Temperature

Humidity

20.5 Degrees Celsius

19.8 Degrees Celsius

49.0 %

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DUT: Fujitsu Tablet Soriel with Calexico 11abg and Bluetooth; Type: 2915ABG; Serial: 344EE5244ABC51962012

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 2.00597$; mho/m, $\epsilon_r = 51.1902$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 11 Bluetooth at 2480 MHz Test/Area Scan (101x81x1): Measurement grid:

dx=15mm, dy=15mm

Reference Value = 13.2 V/m; Power Drift = 0.002 dB

Maximum value of SAR (interpolated) = 0.380 mW/g

Channel 11 Bluetooth at 2480 MHz Test/Zoom Scan (7x7x7)/Cube 0:

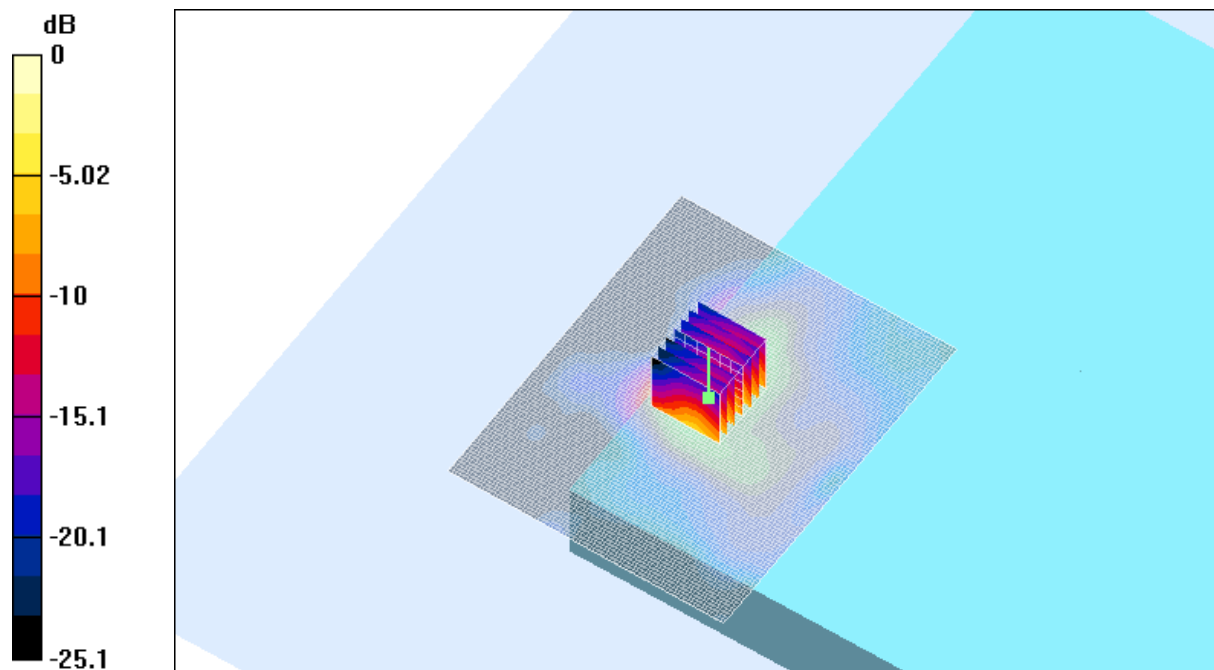
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.2 V/m; Power Drift = 0.002 dB

Maximum value of SAR (measured) = 0.349 mW/g

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.139 mW/g



SAR MEASUREMENT PLOT 11

Ambient Temperature

20.5 Degrees Celsius

Liquid Temperature

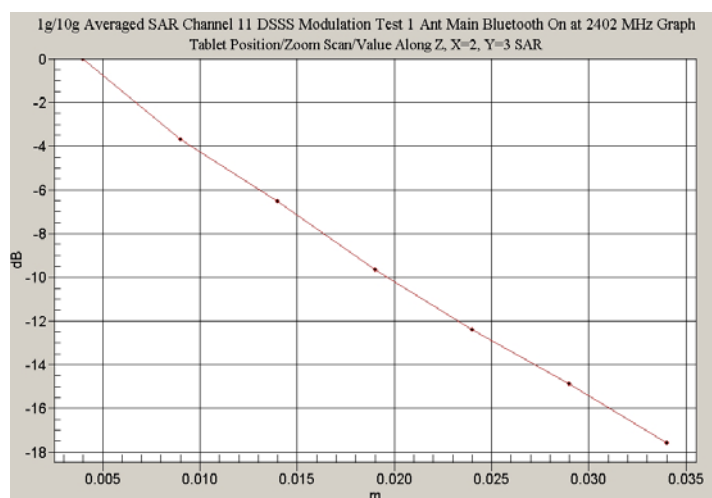
19.8 Degrees Celsius

Humidity

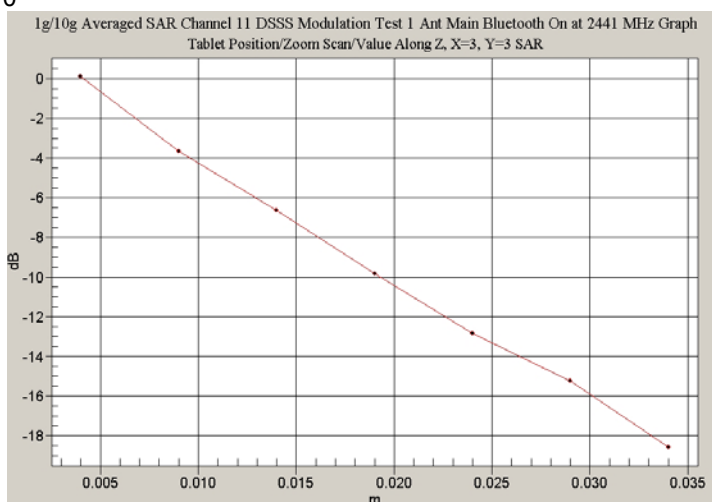
49.0 %

Z-Axis Graph for Plot 9

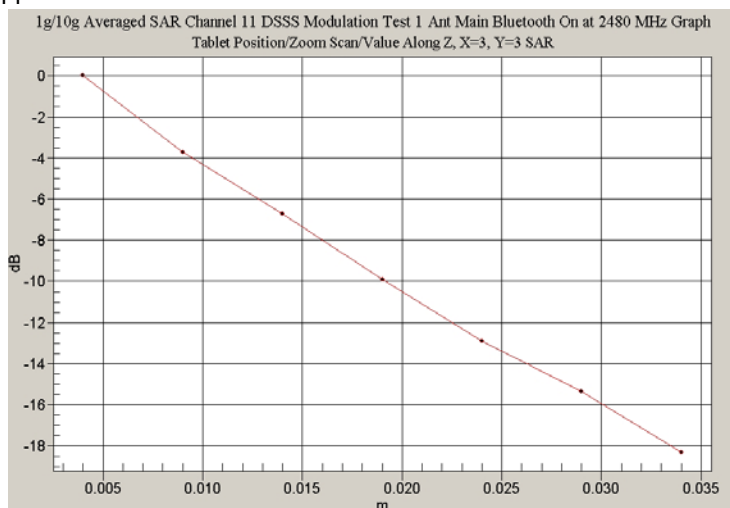
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Z-Axis Graph for Plot 10



Z-Axis Graph for Plot 11



Test Date: 22 September 2004

File Name: [Tablet OFDM 2.45 GHz Antenna Main Bluetooth Off 22-09-04.da4](#)

DUT: Fujitsu Tablet Soriel with Calexico 11abg and Bluetooth; Type: 2915ABG; Serial: 344EE5244ABC51962012

* Communication System: OFDM 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.96791$; mho/m, $\epsilon_r = 50.5631$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1380; ConvF(4.16, 4.16, 4.16)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 06 Test/Area Scan (101x81x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 7.92 V/m; Power Drift = -0.1 dB

Maximum value of SAR (interpolated) = 0.126 mW/g

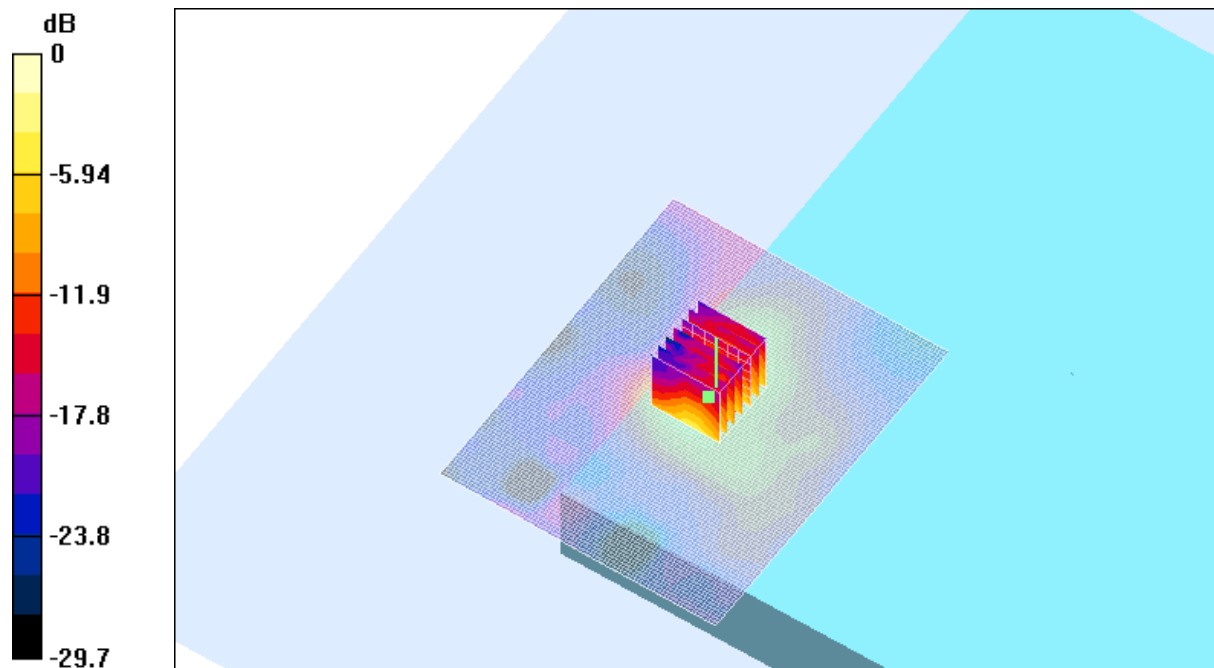
Channel 06 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.92 V/m; Power Drift = -0.1 dB

Maximum value of SAR (measured) = 0.125 mW/g

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.115 mW/g; SAR(10 g) = 0.051 mW/g



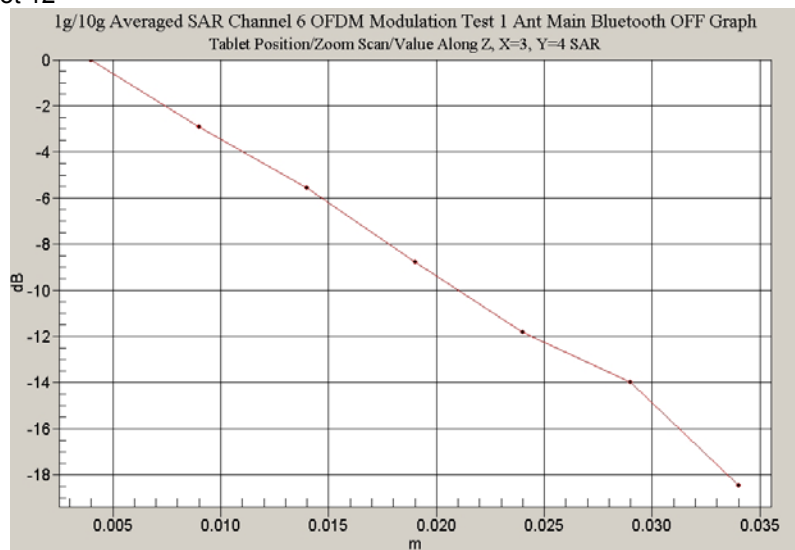
0 dB = 0.125mW/g

SAR MEASUREMENT PLOT 12

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.5 Degrees Celsius
46.0 %

Z-Axis Graph for Plot 12



Test Date: 22 September 2004

File Name: [Validation 2450 MHz \(DAE359 Probe1380\) 22-09-04.da4](#)

DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.82242$; mho/m, $\epsilon_r = 38.6079$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1380; ConvF(4.47, 4.47, 4.47)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 98.5 V/m; Power Drift = 0.0 dB

Maximum value of SAR (interpolated) = 15.6 mW/g

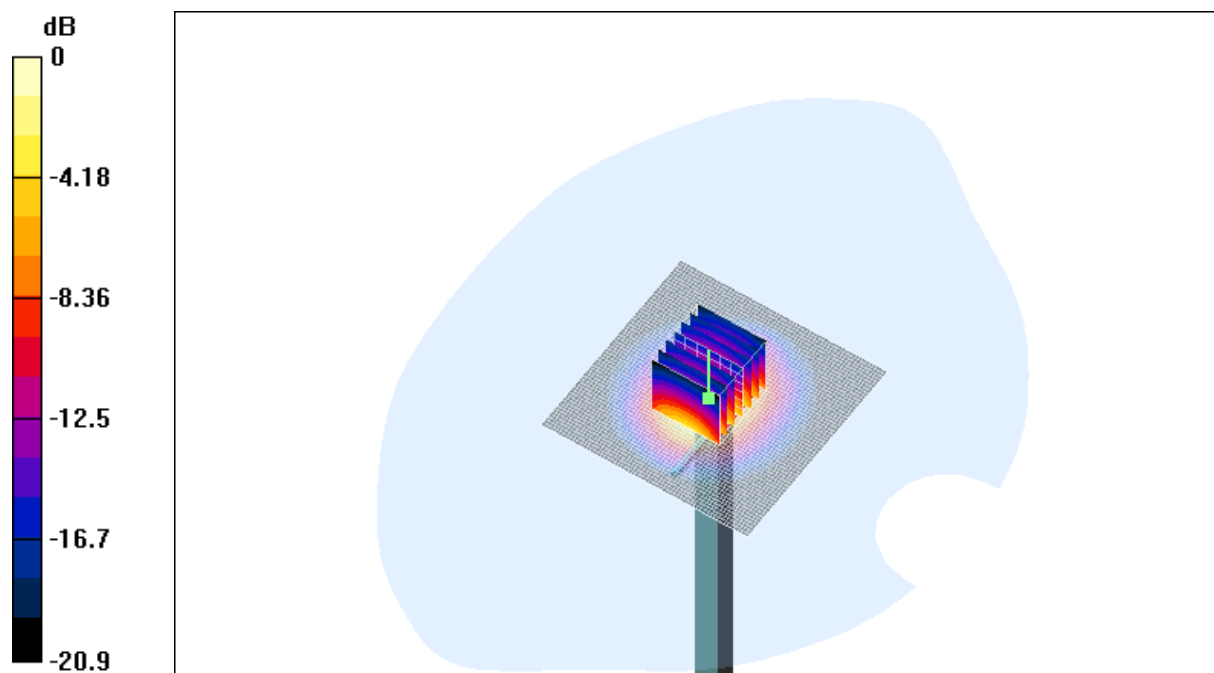
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 98.5 V/m; Power Drift = 0.0 dB

Maximum value of SAR (measured) = 15.4 mW/g

Peak SAR (extrapolated) = 27.1 W/kg

SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.51 mW/g



SAR MEASUREMENT PLOT 13

Ambient Temperature
Liquid Temperature
Humidity

21.1 Degrees Celsius
20.5 Degrees Celsius
46.0 %

Test Date: 23 September 2004

File Name: [Validation 2450 MHz \(DAE359 Probe1380\) 23-09-04.da4](#)

DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

* Communication System: CW 2450 MHz; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.8814$; mho/m, $\epsilon_r = 38.8261$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1380; ConvF(4.47, 4.47, 4.47)

- Phantom: SAM 22; Serial: 1260; Phantom section: Flat Section

Channel 1 Test/Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Reference Value = 89.4 V/m; Power Drift = -0.001 dB

Maximum value of SAR (interpolated) = 15.3 mW/g

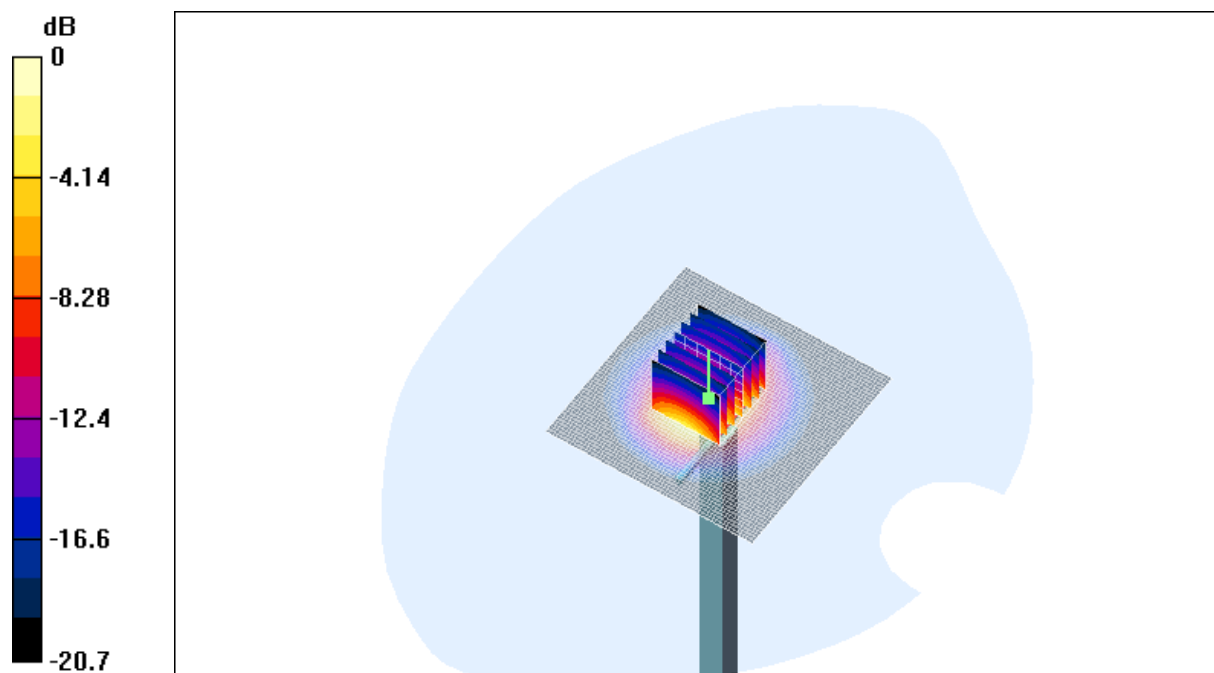
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 89.4 V/m; Power Drift = -0.001 dB

Maximum value of SAR (measured) = 15.4 mW/g

Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 13.5 mW/g; SAR(10 g) = 6.51 mW/g



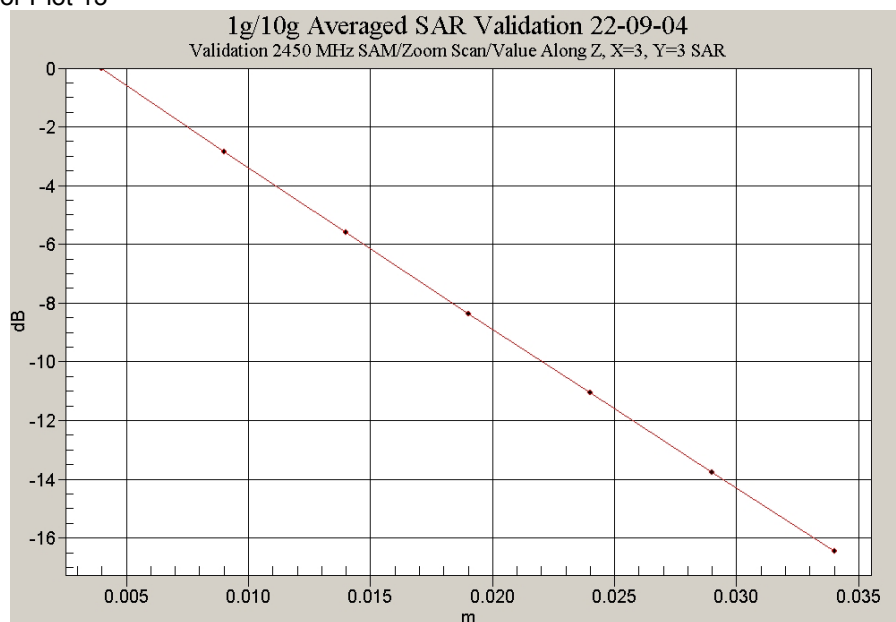
0 dB = 15.4mW/g

SAR MEASUREMENT PLOT 14

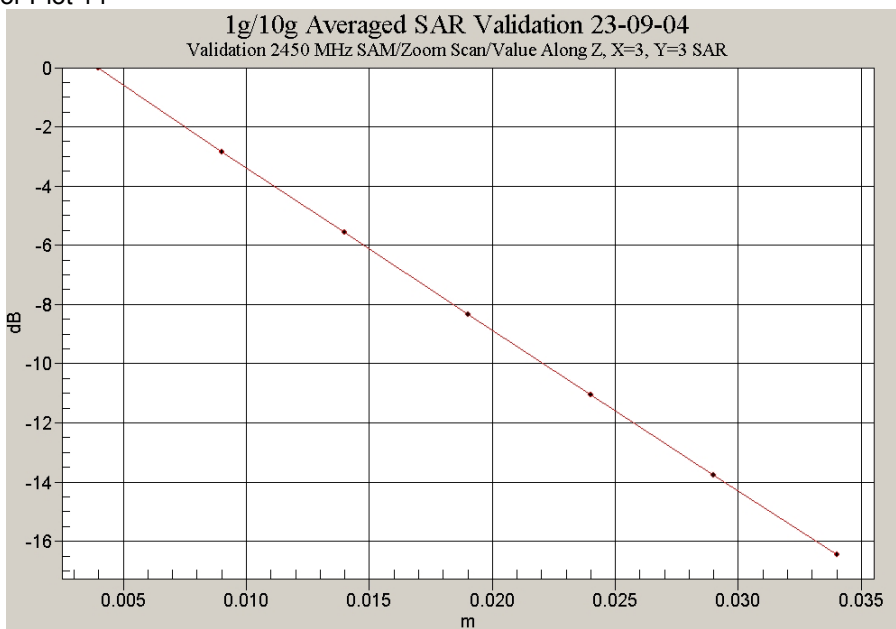
Ambient Temperature
Liquid Temperature
Humidity

20.5 Degrees Celsius
19.8 Degrees Celsius
49.0 %

Z-Axis Graph for Plot 13



Z-Axis Graph for Plot 14



APPENDIX C

SAR TESTING EQUIPMENT CALIBRATION CERTIFICATE ATTACHMENTS

Calibration Certificate Attachments

- | | |
|--|---------|
| 1. 2.45GHz E-Field Probe Calibration Sheet | 9 Pages |
| 2. 2450MHz Dipole Calibration Sheet | 6 pages |